

Table 1
Depth to Water and Water Level Elevations
Tower Standard
Lac du Flambeau, WI

Depth to Water (feet) below Reference Elevation

| Date | MW1 (LDF) | MW2 (LDF) | MW3 (LDF) | MW16 | MW16@37-42 | MW17 | MW17@31-36 | MW18 | MW18@35-40 | MW19 | MW19@35-40 | MW20 | MW20@20-25 | MW21 | MW21@35-40 | MW22 | MW22@35-40 |
|------------|-----------|-----------|-----------|------|------------|------|------------|------|------------|------|------------|------|------------|------|------------|------|------------|
| 11/10/2015 | 6.58 | 9.10 | 6.87 | | | | | | | | | | | | | | |
| 11/11/2015 | | | | 2.02 | 1.91 | 8.01 | 8.44 | 9.48 | 9.90 | 8.97 | 9.26 | 7.63 | 7.85 | 7.42 | 7.81 | 7.19 | 8.06 |
| 11/17/2015 | | | | | | | | | | | | | | | | | |

Measuring Point Elevations (top of well casing)

Elevations referenced to a U.S.G.S. Benchmark (feet MSL) - provided by others

| | | | | | | | | | | | | | | | | | |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Initial Survey | 1575.57 | 1577.84 | 1575.50 | 1569.20 | 1569.14 | 1575.98 | 1575.99 | 1577.53 | 1577.55 | 1576.61 | 1576.92 | 1575.31 | 1575.53 | 1575.11 | 1575.47 | 1575.98 | 1576.18 |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|

Ground Surface Elevation

| | | | | | | | | | | | | | | | | | |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Initial Survey | 1572.66 | 1578.15 | 1575.63 | 1569.60 | 1569.50 | 1576.44 | 1576.26 | 1575.00 | 1575.15 | 1574.15 | 1574.31 | 1575.89 | 1575.87 | 1575.65 | 1575.72 | 1576.60 | 1576.61 |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|

Depth to Water (feet) below Top of Casing

| | | | | | | | | | | | | | | | | | |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Average | 6.58 | 9.10 | 6.87 | 2.02 | 1.91 | 8.01 | 8.44 | 9.48 | 9.90 | 8.97 | 9.26 | 7.63 | 7.85 | 7.42 | 7.81 | 7.19 | 8.06 |
| Maximum | 6.58 | 9.10 | 6.87 | 2.02 | 1.91 | 8.01 | 8.44 | 9.48 | 9.90 | 8.97 | 9.26 | 7.63 | 7.85 | 7.42 | 7.81 | 7.19 | 8.06 |
| Minimum | 6.58 | 9.10 | 6.87 | 2.02 | 1.91 | 8.01 | 8.44 | 9.48 | 9.90 | 8.97 | 9.26 | 7.63 | 7.85 | 7.42 | 7.81 | 7.19 | 8.06 |
| Range | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

Water Level Elevation (feet MSL)

| Date | MW1 (LDF) | MW2 (LDF) | MW3 (LDF) | MW16 | MW16@37-42 | MW17 | MW17@31-36 | MW18 | MW18@35-40 | MW19 | MW19@35-40 | MW20 | MW20@20-25 | MW21 | MW21@35-40 | MW22 | MW22@35-40 |
|------------|-----------|-----------|-----------|---------|------------|---------|------------|---------|------------|---------|------------|---------|------------|---------|------------|---------|------------|
| 11/10/2015 | 1568.99 | 1568.74 | 1568.63 | | | | | | | | | | | | | | |
| 11/11/2015 | | | | | | | | | | | | | | | | | |
| 11/17/2015 | | | | 1567.18 | 1567.23 | 1567.97 | 1567.55 | 1568.05 | 1567.65 | 1576.61 | 1576.92 | 1567.68 | 1567.68 | 1567.69 | 1567.66 | 1568.79 | 1568.12 |

\\engineering.com\data\projects\0900-0999\0903-tower\working reports\6392\est1.xls\water level table

EPA-R5-2017-010506_0002956

Table 3a
Summary of Groundwater Analytical Results
MW1-LDF
Tower Standard
Lac du Flambeau, Wisconsin

| | | | Date -> | 11/10/2015 |
|-----------------------------------|-------|-------|---------|------------------|
| Detected VOC Parameters | ES | PAL | Units | |
| Benzene | 5 | 0.5 | µg/l | < 0.50 |
| Toluene | 800 | 160 | µg/l | < 0.50 |
| Ethylbenzene | 700 | 140 | µg/l | < 0.50 |
| Xylenes (mixed isomers) | 2,000 | 400 | µg/l | < 1.0 |
| Methyl tert-Butyl Ether (MTBE) | 60 | 12 | µg/l | < 0.17 |
| Trimethylbenzenes (mixed isomers) | 480 | 96 | µg/l | < 0.50 |
| Naphthalene | 100 | 10 | µg/l | < 2.5 |
| 1,2-Dichloroethane | 5 | 0.5 | µg/l | < 0.17 |
| 1,2-Dibromothane | 0.05 | 0.005 | µg/l | < 0.18 |
| Isopropylbenzene | | | µg/l | < 0.14 |
| n-Butylbenzene | | | µg/l | < 0.50 |
| n-Propylbenzene | | | µg/l | < 0.50 |
| Inorganics | | | | |
| Dissolved Lead | 15 | 1.5 | µg/l | < 3.0 |
| Dissolved Cadmium | 5 | 0.5 | µg/l | 1.2 ^J |
| Dissolved Iron | 300 | 150 | µg/l | 204 |
| Nitrate (as N) | 10 | 2 | mg/l | < 0.095 |
| Sulfate | 250 | 125 | mg/l | 21.2 |
| Field Measurements | | | | |
| Temperature | | | °F | 50.55 |
| Conductivity | | | µS/cm | 547 |
| pH | | | | 6.37 |
| Dissolved Oxygen | | | mg/l | 0.31 |
| ORP | | | mV | 181.3 |

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

Enforcement Standard exceeded

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| BOLD |
| <i>Italics</i> |

Preventive Action Limit exceeded

NA = Not Analyzed

NS = Not Sampled

* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 3b
Summary of Groundwater Analytical Results
MW2-LDF
Tower Standard
Lac du Flambeau, Wisconsin

| | | | Date -> | 11/10/2015 |
|-----------------------------------|-------|-------|---------|-------------------|
| Detected VOC Parameters | ES | PAL | Units | |
| Benzene | 5 | 0.5 | µg/l | < 0.50 |
| Toluene | 800 | 160 | µg/l | < 0.50 |
| Ethylbenzene | 700 | 140 | µg/l | < 0.50 |
| Xylenes (mixed isomers) | 2,000 | 400 | µg/l | < 1.0 |
| Methyl tert-Butyl Ether (MTBE) | 60 | 12 | µg/l | < 0.17 |
| Trimethylbenzenes (mixed isomers) | 480 | 96 | µg/l | < 0.50 |
| Naphthalene | 100 | 10 | µg/l | < 2.5 |
| 1,2-Dichloroethane | 5 | 0.5 | µg/l | < 0.17 |
| 1,2-Dibromothane | 0.05 | 0.005 | µg/l | < 0.18 |
| Isopropylbenzene | | | µg/l | < 0.14 |
| n-Butylbenzene | | | µg/l | < 0.50 |
| n-Propylbenzene | | | µg/l | < 0.50 |
| Inorganics | | | | |
| Dissolved Lead | 15 | 1.5 | µg/l | 3.2 ^J |
| Dissolved Cadmium | 5 | 0.5 | µg/l | 1.2 ^J |
| Dissolved Iron | 300 | 150 | µg/l | 16.3 ^J |
| Nitrate (as N) | 10 | 2 | mg/l | 0.48 |
| Sulfate | 250 | 125 | mg/l | 22.8 |
| Field Measurements | | | | |
| Temperature | | | °F | 53.11 |
| Conductivity | | | µS/cm | 2,035 |
| pH | | | | 7.24 |
| Dissolved Oxygen | | | mg/l | 2.13 |
| ORP | | | mV | 270.2 |

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

Enforcement Standard exceeded

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Preventive Action Limit exceeded

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| <i>Italics</i> |
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Table 3c
Summary of Groundwater Analytical Results
MW3-LDF
Tower Standard
Lac du Flambeau, Wisconsin

| | | | Date -> | 11/10/2015 |
|-----------------------------------|-------|-------|---------|------------------|
| Detected VOC Parameters | ES | PAL | Units | |
| Benzene | 5 | 0.5 | µg/l | < 0.50 |
| Toluene | 800 | 160 | µg/l | < 0.50 |
| Ethylbenzene | 700 | 140 | µg/l | < 0.50 |
| Xylenes (mixed isomers) | 2,000 | 400 | µg/l | < 1.0 |
| Methyl tert-Butyl Ether (MTBE) | 60 | 12 | µg/l | < 0.17 |
| Trimethylbenzenes (mixed isomers) | 480 | 96 | µg/l | < 0.50 |
| Naphthalene | 100 | 10 | µg/l | < 2.5 |
| 1,2-Dichloroethane | 5 | 0.5 | µg/l | < 0.17 |
| 1,2-Dibromothane | 0.05 | 0.005 | µg/l | < 0.18 |
| Isopropylbenzene | | | µg/l | < 0.14 |
| n-Butylbenzene | | | µg/l | < 0.50 |
| n-Propylbenzene | | | µg/l | < 0.50 |
| Inorganics | | | | |
| Dissolved Lead | 15 | 1.5 | µg/l | < 3.0 |
| Dissolved Cadmium | 5 | 0.5 | µg/l | 1.4 ^J |
| Dissolved Iron | 300 | 150 | µg/l | < 12.9 |
| Nitrate (as N) | 10 | 2 | mg/l | 0.35 |
| Sulfate | 250 | 125 | mg/l | 2.8 ^J |
| Field Measurements | | | | |
| Temperature | | | °F | 52.43 |
| Conductivity | | | µS/cm | 139 |
| pH | | | | 6.72 |
| Dissolved Oxygen | | | mg/l | 7.78 |
| ORP | | | mV | 278.1 |

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

Enforcement Standard exceeded

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Preventive Action Limit exceeded

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| <i>Italics</i> |
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NA = Not Analyzed

NS = Not Sampled

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Table 3d
Summary of Groundwater Analytical Results
MW16
Tower Standard
Lac du Flambeau, Wisconsin

| | | | Date -> | 11/17/2015 |
|-----------------------------------|-------|-------|---------|---------------|
| Detected VOC Parameters | ES | PAL | Units | |
| Benzene | 5 | 0.5 | µg/l | 6.3 |
| Toluene | 800 | 160 | µg/l | < 0.50 |
| Ethylbenzene | 700 | 140 | µg/l | < 0.50 |
| Xylenes (mixed isomers) | 2,000 | 400 | µg/l | 2.7 |
| Methyl tert-Butyl Ether (MTBE) | 60 | 12 | µg/l | < 0.17 |
| Trimethylbenzenes (mixed isomers) | 480 | 96 | µg/l | 1.1 |
| Naphthalene | 100 | 10 | µg/l | < 2.5 |
| 1,2-Dichloroethane | 5 | 0.5 | µg/l | < 0.50 |
| 1,2-Dibromoethane | 0.05 | 0.005 | µg/l | < 0.18 |
| Isopropylbenzene | | | µg/l | < 0.14 |
| n-Butylbenzene | | | µg/l | < 0.50 |
| n-Propylbenzene | | | µg/l | < 0.50 |
| Inorganics | | | | |
| Dissolved Lead | 15 | 1.5 | µg/l | < 3.0 |
| Dissolved Cadmium | 5 | 0.5 | µg/l | < 0.60 |
| Dissolved Iron | 300 | 150 | µg/l | 15,400 |
| Nitrate (as N) | 10 | 2 | mg/l | < 0.095 |
| Sulfate | 250 | 125 | mg/l | < 10.0 |
| Field Measurements | | | | |
| Temperature | | | °F | 52.03 |
| Conductivity | | | µS/cm | 472 |
| pH | | | | 6.63 |
| Dissolved Oxygen | | | mg/l | 0.15 |
| ORP | | | mV | 1.5 |

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

Enforcement Standard exceeded

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| <i>Italics</i> |

Preventive Action Limit exceeded

NA = Not Analyzed

NS = Not Sampled

* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 3e
Summary of Groundwater Analytical Results
MW16@37-42
Tower Standard
Lac du Flambeau, Wisconsin

| | | | Date -> | 11/17/2016 |
|-----------------------------------|-------|-------|---------|------------------------|
| Detected VOC Parameters | ES | PAL | Units | |
| Benzene | 5 | 0.5 | µg/l | 1,340 |
| Toluene | 800 | 160 | µg/l | 22.1 |
| Ethylbenzene | 700 | 140 | µg/l | 60.3 |
| Xylenes (mixed isomers) | 2,000 | 400 | µg/l | 1,520.2 |
| Methyl tert-Butyl Ether (MTBE) | 60 | 12 | µg/l | < 1.7 |
| Trimethylbenzenes (mixed isomers) | 480 | 96 | µg/l | 371.1 |
| Naphthalene | 100 | 10 | µg/l | 84.7 |
| 1,2-Dichloroethane | 5 | 0.5 | µg/l | < 1.7 |
| 1,2-Dibromoethane | 0.05 | 0.005 | µg/l | < 1.8 |
| Isopropylbenzene | | | µg/l | 17.0 |
| n-Butylbenzene | | | µg/l | < 5.0 |
| n-Propylbenzene | | | µg/l | 45.5 |
| Inorganics | | | | |
| Dissolved Lead | 15 | 1.5 | µg/l | 4.5^J |
| Dissolved Cadmium | 5 | 0.5 | µg/l | < 0.60 |
| Dissolved Iron | 300 | 150 | µg/l | 5,920 |
| Nitrate (as N) | 10 | 2 | mg/l | < 0.095 |
| Sulfate | 250 | 125 | mg/l | < 2.0 |
| Field Measurements | | | | |
| Temperature | | | °F | 50.45 |
| Conductivity | | | µS/cm | 843 |
| pH | | | | 7.31 |
| Dissolved Oxygen | | | mg/l | 0.21 |
| ORP | | | mV | -378 |

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

Enforcement Standard exceeded

BOLD

Preventive Action Limit exceeded

Italics

NA = Not Analyzed

NS = Not Sampled

* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 3f
Summary of Groundwater Analytical Results
MW17
Tower Standard
Lac du Flambeau, Wisconsin

| | | | Date -> | 11/17/2016 |
|-----------------------------------|-------|-------|---------|---------------------|
| Detected VOC Parameters | ES | PAL | Units | |
| Benzene | 5 | 0.5 | µg/l | 1.0 |
| Toluene | 800 | 160 | µg/l | 2.3 |
| Ethylbenzene | 700 | 140 | µg/l | 0.51 ^J |
| Xylenes (mixed isomers) | 2,000 | 400 | µg/l | 2.3 |
| Methyl tert-Butyl Ether (MTBE) | 60 | 12 | µg/l | < 0.17 |
| Trimethylbenzenes (mixed isomers) | 480 | 96 | µg/l | < 0.60 ^J |
| Naphthalene | 100 | 10 | µg/l | < 2.5 |
| 1,2-Dichloroethane | 5 | 0.5 | µg/l | < 1.7 |
| 1,2-Dibromoethane | 0.05 | 0.005 | µg/l | < 1.8 |
| Isopropylbenzene | | | µg/l | < 0.14 |
| n-Butylbenzene | | | µg/l | < 0.50 |
| n-Propylbenzene | | | µg/l | < 0.50 |
| Inorganics | | | | |
| Dissolved Lead | 15 | 1.5 | µg/l | < 3.0 |
| Dissolved Cadmium | 5 | 0.5 | µg/l | < 0.60 |
| Dissolved Iron | 300 | 150 | µg/l | 1,060 |
| Nitrate (as N) | 10 | 2 | mg/l | < 0.095 |
| Sulfate | 250 | 125 | mg/l | 6.1 |
| Field Measurements | | | | |
| Temperature | | | °F | 53.06 |
| Conductivity | | | µS/cm | 508 |
| pH | | | | 6.26 |
| Dissolved Oxygen | | | mg/l | 1.55 |
| ORP | | | mV | 83.0 |

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

Enforcement Standard exceeded

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| BOLD |
| <i>Italics</i> |

Preventive Action Limit exceeded

NA = Not Analyzed

NS = Not Sampled

* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 3g
Summary of Groundwater Analytical Results
MW17@31-36
Tower Standard
Lac du Flambeau, Wisconsin

| | | | Date -> | 11/17/2016 |
|-----------------------------------|-------|-------|---------|--------------|
| Detected VOC Parameters | ES | PAL | Units | |
| Benzene | 5 | 0.5 | µg/l | < 0.50 |
| Toluene | 800 | 160 | µg/l | < 0.50 |
| Ethylbenzene | 700 | 140 | µg/l | < 0.50 |
| Xylenes (mixed isomers) | 2,000 | 400 | µg/l | < 1.0 |
| Methyl tert-Butyl Ether (MTBE) | 60 | 12 | µg/l | < 0.17 |
| Trimethylbenzenes (mixed isomers) | 480 | 96 | µg/l | < 0.50 |
| Naphthalene | 100 | 10 | µg/l | < 2.5 |
| 1,2-Dichloroethane | 5 | 0.5 | µg/l | < 1.7 |
| 1,2-Dibromoethane | 0.05 | 0.005 | µg/l | < 1.8 |
| Isopropylbenzene | | | µg/l | < 0.14 |
| n-Butylbenzene | | | µg/l | < 0.50 |
| n-Propylbenzene | | | µg/l | < 0.50 |
| Inorganics | | | | |
| Dissolved Lead | 15 | 1.5 | µg/l | < 3.0 |
| Dissolved Cadmium | 5 | 0.5 | µg/l | < 0.60 |
| Dissolved Iron | 300 | 150 | µg/l | 4,980 |
| Nitrate (as N) | 10 | 2 | mg/l | 0.68 |
| Sulfate | 250 | 125 | mg/l | 20.9 |
| Field Measurements | | | | |
| Temperature | | | °F | 50.78 |
| Conductivity | | | µS/cm | 590 |
| pH | | | | 7.08 |
| Dissolved Oxygen | | | mg/l | 3.00 |
| ORP | | | mV | -282.4 |

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

Enforcement Standard exceeded

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Preventive Action Limit exceeded

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| <i>Italics</i> |
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NA = Not Analyzed

NS = Not Sampled

* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 3h
Summary of Groundwater Analytical Results
MW18
Tower Standard
Lac du Flambeau, Wisconsin

| | | | Date -> | 11/17/2016 |
|-----------------------------------|-------|-------|---------|------------|
| Detected VOC Parameters | ES | PAL | Units | |
| Benzene | 5 | 0.5 | µg/l | < 0.50 |
| Toluene | 800 | 160 | µg/l | < 0.50 |
| Ethylbenzene | 700 | 140 | µg/l | < 0.50 |
| Xylenes (mixed isomers) | 2,000 | 400 | µg/l | < 1.0 |
| Methyl tert-Butyl Ether (MTBE) | 60 | 12 | µg/l | < 0.17 |
| Trimethylbenzenes (mixed isomers) | 480 | 96 | µg/l | < 0.50 |
| Naphthalene | 100 | 10 | µg/l | < 2.5 |
| 1,2-Dichloroethane | 5 | 0.5 | µg/l | < 1.7 |
| 1,2-Dibromothane | 0.05 | 0.005 | µg/l | < 1.8 |
| Isopropylbenzene | | | µg/l | < 0.14 |
| n-Butylbenzene | | | µg/l | < 0.50 |
| n-Propylbenzene | | | µg/l | < 0.50 |
| Inorganics | | | | |
| Dissolved Lead | 15 | 1.5 | µg/l | < 3.0 |
| Dissolved Cadmium | 5 | 0.5 | µg/l | < 0.60 |
| Dissolved Iron | 300 | 150 | µg/l | < 12.9 |
| Nitrate (as N) | 10 | 2 | mg/l | < 0.095 |
| Sulfate | 250 | 125 | mg/l | 13.5 |
| Field Measurements | | | | |
| Temperature | | | °F | 51.8 |
| Conductivity | | | µS/cm | 509 |
| pH | | | | 6.46 |
| Dissolved Oxygen | | | mg/l | 3.73 |
| ORP | | | mV | 229.6 |

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

Enforcement Standard exceeded

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| BOLD |
| <i>Italics</i> |

Preventive Action Limit exceeded

NA = Not Analyzed

NS = Not Sampled

* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 3i
Summary of Groundwater Analytical Results
MW18@35-40
Tower Standard
Lac du Flambeau, Wisconsin

| | | | Date -> | 11/17/2016 |
|-----------------------------------|-------|-------|---------|-------------------------|
| Detected VOC Parameters | ES | PAL | Units | |
| Benzene | 5 | 0.5 | µg/l | < 0.50 |
| Toluene | 800 | 160 | µg/l | < 0.50 |
| Ethylbenzene | 700 | 140 | µg/l | < 0.50 |
| Xylenes (mixed isomers) | 2,000 | 400 | µg/l | < 1.0 |
| Methyl tert-Butyl Ether (MTBE) | 60 | 12 | µg/l | < 0.17 |
| Trimethylbenzenes (mixed isomers) | 480 | 96 | µg/l | < 0.50 |
| Naphthalene | 100 | 10 | µg/l | < 2.5 |
| 1,2-Dichloroethane | 5 | 0.5 | µg/l | < 1.7 |
| 1,2-Dibromothane | 0.05 | 0.005 | µg/l | < 1.8 |
| Isopropylbenzene | | | µg/l | < 0.14 |
| n-Butylbenzene | | | µg/l | < 0.50 |
| n-Propylbenzene | | | µg/l | < 0.50 |
| Inorganics | | | | |
| Dissolved Lead | 15 | 1.5 | µg/l | < 3.0 |
| Dissolved Cadmium | 5 | 0.5 | µg/l | <i>0.63^J</i> |
| Dissolved Iron | 300 | 150 | µg/l | 247 |
| Nitrate (as N) | 10 | 2 | mg/l | < 0.095 |
| Sulfate | 250 | 125 | mg/l | 9.1 |
| Field Measurements | | | | |
| Temperature | | | °F | 52.36 |
| Conductivity | | | µS/cm | 439 |
| pH | | | | 7.13 |
| Dissolved Oxygen | | | mg/l | 5.98 |
| ORP | | | mV | 93.1 |

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

Enforcement Standard exceeded

BOLD

Preventive Action Limit exceeded

Italics

NA = Not Analyzed

NS = Not Sampled

* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 3j
Summary of Groundwater Analytical Results
MW19
Tower Standard
Lac du Flambeau, Wisconsin

| | | | Date -> | 11/11/2015 |
|-----------------------------------|-------|-------|---------|-------------------|
| Detected VOC Parameters | ES | PAL | Units | |
| Benzene | 5 | 0.5 | µg/l | < 0.50 |
| Toluene | 800 | 160 | µg/l | < 0.50 |
| Ethylbenzene | 700 | 140 | µg/l | < 0.50 |
| Xylenes (mixed isomers) | 2,000 | 400 | µg/l | < 1.0 |
| Methyl tert-Butyl Ether (MTBE) | 60 | 12 | µg/l | < 0.17 |
| Trimethylbenzenes (mixed isomers) | 480 | 96 | µg/l | < 0.50 |
| Naphthalene | 100 | 10 | µg/l | < 2.5 |
| 1,2-Dichloroethane | 5 | 0.5 | µg/l | < 0.17 |
| 1,2-Dibromothane | 0.05 | 0.005 | µg/l | < 0.18 |
| Isopropylbenzene | | | µg/l | < 0.14 |
| n-Butylbenzene | | | µg/l | < 0.50 |
| n-Propylbenzene | | | µg/l | < 0.50 |
| Inorganics | | | | |
| Dissolved Lead | 15 | 1.5 | µg/l | 3.4 ^J |
| Dissolved Cadmium | 5 | 0.5 | µg/l | 0.90 ^J |
| Dissolved Iron | 300 | 150 | µg/l | 704 |
| Nitrate (as N) | 10 | 2 | mg/l | < 0.095 |
| Sulfate | 250 | 125 | mg/l | 7.0 |
| Field Measurements | | | | |
| Temperature | | | °F | 52.96 |
| Conductivity | | | µS/cm | 470 |
| pH | | | | 6.32 |
| Dissolved Oxygen | | | mg/l | 0.52 |
| ORP | | | mV | 117.9 |

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

Enforcement Standard exceeded

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| BOLD |
| <i>Italics</i> |

Preventive Action Limit exceeded

NA = Not Analyzed

NS = Not Sampled

* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 3k
Summary of Groundwater Analytical Results
MW19@35-40
Tower Standard
Lac du Flambeau, Wisconsin

| | | | Date -> | 11/11/2015 |
|-----------------------------------|-------|-------|---------|-------------------|
| Detected VOC Parameters | ES | PAL | Units | |
| Benzene | 5 | 0.5 | µg/l | 117 |
| Toluene | 800 | 160 | µg/l | 39.1 |
| Ethylbenzene | 700 | 140 | µg/l | 395 |
| Xylenes (mixed isomers) | 2,000 | 400 | µg/l | 898.1 |
| Methyl tert-Butyl Ether (MTBE) | 60 | 12 | µg/l | < 0.87 |
| Trimethylbenzenes (mixed isomers) | 480 | 96 | µg/l | 165.8 |
| Naphthalene | 100 | 10 | µg/l | 75.1 |
| 1,2-Dichloroethane | 5 | 0.5 | µg/l | < 0.84 |
| 1,2-Dibromothane | 0.05 | 0.005 | µg/l | < 0.89 |
| Isopropylbenzene | | | µg/l | < 0.14 |
| n-Butylbenzene | | | µg/l | 3.7 ^J |
| n-Propylbenzene | | | µg/l | 35.8 |
| Inorganics | | | | |
| Dissolved Lead | 15 | 1.5 | µg/l | < 3.0 |
| Dissolved Cadmium | 5 | 0.5 | µg/l | 1.1 ^J |
| Dissolved Iron | 300 | 150 | µg/l | 3,820 |
| Nitrate (as N) | 10 | 2 | mg/l | < 0.095 |
| Sulfate | 250 | 125 | mg/l | 10.8 ^J |
| Field Measurements | | | | |
| Temperature | | | °F | 52.4 |
| Conductivity | | | µS/cm | 326 |
| pH | | | | 7.41 |
| Dissolved Oxygen | | | mg/l | 5.58 |
| ORP | | | mV | -15.3 |

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

Enforcement Standard exceeded

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| <i>Italics</i> |

Preventive Action Limit exceeded

NA = Not Analyzed

NS = Not Sampled

* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 3I
Summary of Groundwater Analytical Results
MW20
Tower Standard
Lac du Flambeau, Wisconsin

| | | | Date -> | 11/11/2015 |
|-----------------------------------|-------|-------|---------|------------------------|
| Detected VOC Parameters | ES | PAL | Units | |
| Benzene | 5 | 0.5 | µg/l | 10,100 |
| Toluene | 800 | 160 | µg/l | 35,800 |
| Ethylbenzene | 700 | 140 | µg/l | 3,180 |
| Xylenes (mixed isomers) | 2,000 | 400 | µg/l | 19,230 |
| Methyl tert-Butyl Ether (MTBE) | 60 | 12 | µg/l | < 34.8 |
| Trimethylbenzenes (mixed isomers) | 480 | 96 | µg/l | 1,939 |
| Naphthalene | 100 | 10 | µg/l | 654^J |
| 1,2-Dichloroethane | 5 | 0.5 | µg/l | < 100 |
| 1,2-Dibromothane | 0.05 | 0.005 | µg/l | < 35.6 |
| Isopropylbenzene | | | µg/l | 64.3 ^J |
| n-Butylbenzene | | | µg/l | < 100 |
| n-Propylbenzene | | | µg/l | 192 ^J |
| Inorganics | | | | |
| Dissolved Lead | 15 | 1.5 | µg/l | 20.7 |
| Dissolved Cadmium | 5 | 0.5 | µg/l | 1.7 ^J |
| Dissolved Iron | 300 | 150 | µg/l | 1,440 |
| Nitrate (as N) | 10 | 2 | mg/l | < 0.095 |
| Sulfate | 250 | 125 | mg/l | < 10.0 |
| Field Measurements | | | | |
| Temperature | | | °F | 58.83 |
| Conductivity | | | µS/cm | 1,091 |
| pH | | | | 6.42 |
| Dissolved Oxygen | | | mg/l | 4.33 |
| ORP | | | mV | 103.1 |

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

Enforcement Standard exceeded

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Preventive Action Limit exceeded

Italics

NA = Not Analyzed

NS = Not Sampled

* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 3m
Summary of Groundwater Analytical Results
MW20@20-25
Tower Standard
Lac du Flambeau, Wisconsin

| | | | Date -> | 11/11/2015 |
|-----------------------------------|-------|-------|---------|-------------------------|
| Detected VOC Parameters | ES | PAL | Units | |
| Benzene | 5 | 0.5 | µg/l | 17,600 |
| Toluene | 800 | 160 | µg/l | 21,600 |
| Ethylbenzene | 700 | 140 | µg/l | 2,640 |
| Xylenes (mixed isomers) | 2,000 | 400 | µg/l | 14,060 |
| Methyl tert-Butyl Ether (MTBE) | 60 | 12 | µg/l | < 21.8 |
| Trimethylbenzenes (mixed isomers) | 480 | 96 | µg/l | 1,793 |
| Naphthalene | 100 | 10 | µg/l | 381^J |
| 1,2-Dichloroethane | 5 | 0.5 | µg/l | < 21.0 |
| 1,2-Dibromothane | 0.05 | 0.005 | µg/l | 64.0^J |
| Isopropylbenzene | | | | 54.4 ^J |
| n-Butylbenzene | | | µg/l | < 62.5 |
| n-Propylbenzene | | | µg/l | 168 |
| Inorganics | | | | |
| Dissolved Lead | 15 | 1.5 | µg/l | 31.5 |
| Dissolved Cadmium | 5 | 0.5 | µg/l | <i>0.86^J</i> |
| Dissolved Iron | 300 | 150 | µg/l | 6,130 |
| Nitrate (as N) | 10 | 2 | mg/l | < 0.095 |
| Sulfate | 250 | 125 | mg/l | < 10.0 |
| Field Measurements | | | | |
| Temperature | | | °F | 55.64 |
| Conductivity | | | µS/cm | 1,010 |
| pH | | | | 6.25 |
| Dissolved Oxygen | | | mg/l | 3.83 |
| ORP | | | mV | 88.2 |

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

Enforcement Standard exceeded

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Preventive Action Limit exceeded

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NA = Not Analyzed

NS = Not Sampled

* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 3n
Summary of Groundwater Analytical Results
MW21
Tower Standard
Lac du Flambeau, Wisconsin

| | | | Date -> | 11/11/2015 |
|-----------------------------------|-------|-------|---------|-------------------------|
| Detected VOC Parameters | ES | PAL | Units | |
| Benzene | 5 | 0.5 | µg/l | 632 |
| Toluene | 800 | 160 | µg/l | 2,510 |
| Ethylbenzene | 700 | 140 | µg/l | 2,600 |
| Xylenes (mixed isomers) | 2,000 | 400 | µg/l | 8,570 |
| Methyl tert-Butyl Ether (MTBE) | 60 | 12 | µg/l | < 4.4 |
| Trimethylbenzenes (mixed isomers) | 480 | 96 | µg/l | 2,435 |
| Naphthalene | 100 | 10 | µg/l | 640 |
| 1,2-Dichloroethane | 5 | 0.5 | µg/l | < 4.2 |
| 1,2-Dibromothane | 0.05 | 0.005 | µg/l | < 4.4 |
| Isopropylbenzene | | | µg/l | 66.1 |
| n-Butylbenzene | | | µg/l | 46.3 |
| n-Propylbenzene | | | µg/l | 228 |
| Inorganics | | | | |
| Dissolved Lead | 15 | 1.5 | µg/l | < 3.0 |
| Dissolved Cadmium | 5 | 0.5 | µg/l | <i>0.69^J</i> |
| Dissolved Iron | 300 | 150 | µg/l | 27,900 |
| Nitrate (as N) | 10 | 2 | mg/l | < 0.095 |
| Sulfate | 250 | 125 | mg/l | < 10.0 |
| Field Measurements | | | | |
| Temperature | | | °F | 57.29 |
| Conductivity | | | µS/cm | 470 |
| pH | | | | 6.61 |
| Dissolved Oxygen | | | mg/l | 1.76 |
| ORP | | | mV | -1.7 |

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

Enforcement Standard exceeded

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Preventive Action Limit exceeded

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| <i>Italics</i> |
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NA = Not Analyzed

NS = Not Sampled

* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 3o
Summary of Groundwater Analytical Results
MW21@35-40
Tower Standard
Lac du Flambeau, Wisconsin

| | | | Date -> | 11/11/2015 |
|-----------------------------------|-------|-------|---------|------------------|
| Detected VOC Parameters | ES | PAL | Units | |
| Benzene | 5 | 0.5 | µg/l | 1,110 |
| Toluene | 800 | 160 | µg/l | 686 |
| Ethylbenzene | 700 | 140 | µg/l | 274 |
| Xylenes (mixed isomers) | 2,000 | 400 | µg/l | 1,406 |
| Methyl tert-Butyl Ether (MTBE) | 60 | 12 | µg/l | < 1.7 |
| Trimethylbenzenes (mixed isomers) | 480 | 96 | µg/l | 339.5 |
| Naphthalene | 100 | 10 | µg/l | 63.1 |
| 1,2-Dichloroethane | 5 | 0.5 | µg/l | < 1.7 |
| 1,2-Dibromoethane | 0.05 | 0.005 | µg/l | < 1.8 |
| Isopropylbenzene | | | µg/l | 9.0 ^J |
| n-Butylbenzene | | | µg/l | 14.6 |
| n-Propylbenzene | | | µg/l | 31.4 |
| Inorganics | | | | |
| Dissolved Lead | 15 | 1.5 | µg/l | < 3.0 |
| Dissolved Cadmium | 5 | 0.5 | µg/l | < 0.60 |
| Dissolved Iron | 300 | 150 | µg/l | 44,600 |
| Nitrate (as N) | 10 | 2 | mg/l | < 0.095 |
| Sulfate | 250 | 125 | mg/l | < 2.0 |
| Field Measurements | | | | |
| Temperature | | | °F | 53.15 |
| Conductivity | | | µS/cm | 1,615 |
| pH | | | | 6.5 |
| Dissolved Oxygen | | | mg/l | 3.82 |
| ORP | | | mV | 29.2 |

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

Enforcement Standard exceeded

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| <i>Italics</i> |

Preventive Action Limit exceeded

NA = Not Analyzed

NS = Not Sampled

* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 3p
Summary of Groundwater Analytical Results
MW22
Tower Standard
Lac du Flambeau, Wisconsin

| | | | Date -> | 11/17/2016 |
|-----------------------------------|-------|-------|---------|------------|
| Detected VOC Parameters | ES | PAL | Units | |
| Benzene | 5 | 0.5 | µg/l | < 0.50 |
| Toluene | 800 | 160 | µg/l | 2.5 |
| Ethylbenzene | 700 | 140 | µg/l | 11.9 |
| Xylenes (mixed isomers) | 2,000 | 400 | µg/l | 55.1 |
| Methyl tert-Butyl Ether (MTBE) | 60 | 12 | µg/l | < 0.17 |
| Trimethylbenzenes (mixed isomers) | 480 | 96 | µg/l | 80.2 |
| Naphthalene | 100 | 10 | µg/l | 5.2 |
| 1,2-Dichloroethane | 5 | 0.5 | µg/l | < 1.7 |
| 1,2-Dibromoethane | 0.05 | 0.005 | µg/l | < 1.8 |
| Isopropylbenzene | | | µg/l | 1.0 |
| n-Butylbenzene | | | µg/l | < 0.50 |
| n-Propylbenzene | | | µg/l | 2.3 |
| Inorganics | | | | |
| Dissolved Lead | 15 | 1.5 | µg/l | < 3.0 |
| Dissolved Cadmium | 5 | 0.5 | µg/l | < 0.60 |
| Dissolved Iron | 300 | 150 | µg/l | 63.4J |
| Nitrate (as N) | 10 | 2 | mg/l | 3.9 |
| Sulfate | 250 | 125 | mg/l | 9.5 |
| Field Measurements | | | | |
| Temperature | | | °F | 54.12 |
| Conductivity | | | µS/cm | 204 |
| pH | | | | 6.46 |
| Dissolved Oxygen | | | mg/l | 1.02 |
| ORP | | | mV | 229.4 |

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

Enforcement Standard exceeded

BOLD

Preventive Action Limit exceeded

Italics

NA = Not Analyzed

NS = Not Sampled

* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 3q
Summary of Groundwater Analytical Results
MW22@35-40
Tower Standard
Lac du Flambeau, Wisconsin

| | | | Date -> | 11/17/2016 |
|-----------------------------------|-------|-------|---------|-------------------|
| Detected VOC Parameters | ES | PAL | Units | |
| Benzene | 5 | 0.5 | µg/l | < 0.50 |
| Toluene | 800 | 160 | µg/l | < 0.50 |
| Ethylbenzene | 700 | 140 | µg/l | < 0.50 |
| Xylenes (mixed isomers) | 2,000 | 400 | µg/l | 0.75 ^J |
| Methyl tert-Butyl Ether (MTBE) | 60 | 12 | µg/l | < 0.17 |
| Trimethylbenzenes (mixed isomers) | 480 | 96 | µg/l | < 0.50 |
| Naphthalene | 100 | 10 | µg/l | < 2.5 |
| 1,2-Dichloroethane | 5 | 0.5 | µg/l | < 1.7 |
| 1,2-Dibromoethane | 0.05 | 0.005 | µg/l | < 1.8 |
| Isopropylbenzene | | | µg/l | < 0.14 |
| n-Butylbenzene | | | µg/l | < 0.50 |
| n-Propylbenzene | | | µg/l | < 0.50 |
| Inorganics | | | | |
| Dissolved Lead | 15 | 1.5 | µg/l | 3.7 ^J |
| Dissolved Cadmium | 5 | 0.5 | µg/l | < 0.60 |
| Dissolved Iron | 300 | 150 | µg/l | < 12.9 |
| Nitrate (as N) | 10 | 2 | mg/l | 0.38 |
| Sulfate | 250 | 125 | mg/l | 29.3 |
| Field Measurements | | | | |
| Temperature | | | °F | 52.9 |
| Conductivity | | | µS/cm | 388 |
| pH | | | | 7.83 |
| Dissolved Oxygen | | | mg/l | 3.55 |
| ORP | | | mV | 249.5 |

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

Enforcement Standard exceeded

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Preventive Action Limit exceeded

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| <i>Italics</i> |
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NA = Not Analyzed

NS = Not Sampled

* = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation